



## LEGEND

- Existing bedrock wells
- Field evidence of NAPL based on visual inspection of cores and/or vial test kit results. Total VOCs  $\geq 1 \text{ mg/kg}$  and/or total SVOCs  $\geq 1 \text{ mg/kg}$ .
- Field evidence of NAPL based on visual inspection of cores and/or vial test kit results. Total VOCs  $< 1 \text{ mg/kg}$  and total SVOCs  $< 1 \text{ mg/kg}$ .
- No field evidence of NAPL based on visual inspection of cores or vial test kit results.

### Note

- 1) The vial test kits contained Sudan IV dye, which is soluble in DNAPL and petroleum and stains DNAPL and petroleum products red. Each test kits also contained a small bead of polystyrene, which will develop a pink halo or hue in the presence of TPH at concentrations exceeding approximately 500 mg/kg.
- 2) Vial test results for a soil sample were considered as evidence for the presence of NAPL if: i) a layer of LNAPL or DNAPL was observed in the vial; ii) red spots or staining were noted in the vial; or iii) the polystyrene ball in the vial was observed to have a pink halo or hue.
- 3) Results of soil core inspection and testing for borings A1-1 through A1-19 are documented in the DNAPL Characterization and Remediation Report dated 28-Aug-06.

Scale (ft)  
0 150 300

**GSI**  
ENVIRONMENTAL

## MHU / DHU DNAPL AREA DELINEATION Remedial Investigation Report

Sauget Area 1  
Sauget and Cahokia, Illinois

GSI Job No.	G-3385	Drawn By:	CDM
Map ID:	000_08	Chk'd By:	JAK
Issued:	25-May-12	Aprv'd:	JAK
Scale:	As Shown	Figure 5-1B	